

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
1 April 2004 (01.04.2004)

PCT

(10) International Publication Number
WO 2004/027615 A3

(51) International Patent Classification⁷: **G11C 29/00**,
16/34, 16/10, G06F 12/02, 17/30

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(21) International Application Number:
PCT/JP2003/011789

(22) International Filing Date:
16 September 2003 (16.09.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0221868.3 20 September 2002 (20.09.2002) GB

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(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,
GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK,
MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT,
RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

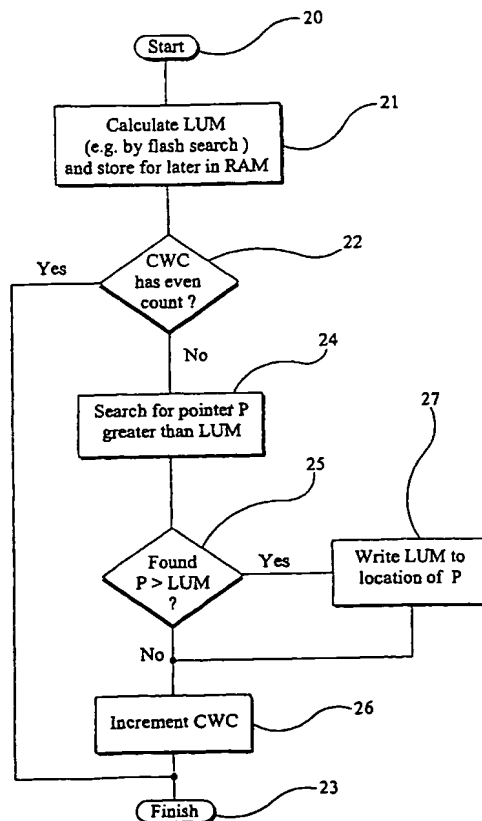
(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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[Continued on next page]

(54) Title: METHOD OF AND APPARATUS FOR DETECTING AN ERROR IN WRITING TO PERSISTENT MEMORY



(57) Abstract: A technique is provided for detecting errors in persistent memory, such as flash memory, where values of data items are stored at memory locations added consecutively to one end of the already-allocated memory segment. When a new location is added, a pointer to the address of the new location is stored at the location of a preceding value for that item. The address of the latest location is determined (21) whenever power is reapplied. The pointer fields of the locations are searched (24) for any pointer whose value is greater than the address of the last location. If such a pointer value is found, this indicates that an error occurred when writing the pointer value, for example because power was removed before completion of the pointer writing cycle. The error can be corrected by changing the pointer value to the address of the last location (27).



Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(88) Date of publication of the international search report:
1 July 2004

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/JP 03/11789

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G11C29/00 G11C16/34 G11C16/10 G06F12/02 G06F17/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11C G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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Date of the actual completion of the international search

30 March 2004

Date of mailing of the international search report

27/04/2004

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

International Application No.

PCT/JP 03/11789

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INTERNATIONAL SEARCH REPORT

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International Application No.

PCT/JP 03/11789

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